Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/13/2018 10:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126072	0	1.59	126097	1.64
Blue	F	SSC	125000	123280	-2	2.50	123932	2.46
Blue	E	FITC	15760	15289	-3	3.15	330	22.43
Blue	D	PE	25880	25268	-3	2.26	549	17.22
Blue	B	PerCP-Cy5-5	34075	34084	0	4.46	1039	22.96
Blue	A	PE-Cy7	22776	22900	0	7.80	567	44.95
Red	C	APC	42488	41781	-2	2.78	1574	13.66
Red	A	APC-Cy7	24478	24133	-2	3.21	840	13.48
Violet	B	V450	6304	6128	-3	4.18	341	18.00
Violet	A	V500	26005	24662	-6	3.76	578	13.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20888	7.06	611	14	N/A	N/A	Pass
Blue	F	SSC	55993	1.94	581	26	N/A	N/A	Pass
Blue	E	FITC	58	74.13	564	8	0.0159	192	Pass
Blue	D	PE	113	59.67	558	9	0.1215	298	Pass
Blue	B	PerCP-Cy5-5	199	54.57	660	13	0.0072	48	Pass
Blue	A	PE-Cy7	109	114.48	714	17	0.0091	36	Pass
Red	C	APC	370	28.71	606	6	0.0188	114	Pass
Red	A	APC-Cy7	204	28.97	577	6	0.0042	617	Pass
Violet	B	V450	53	85.11	495	6	0.0266	2379	Pass
Violet	A	V500	86	43.80	510	4	0.0127	828	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.16	-31.61	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	17.14	13.60 - 20.40	N/A	N/A	31.28	31.92	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12981

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments